

New York State Department of Transportation

Yellow Flag NB2258W004

By: Alex Abreu

Flag Date: June 28, 2022

Superseding Information:

No Flags Superseded

Structure Information

BIN: 1065318

Feature Carried: 278I278IX2M23027

Feature Crossed: 6TH AVENUE

Orientation: 8 - NORTHWEST

Region: 11 - NEW YORK CITY

County: KINGS

Political Unit: City of NEW YORK

Approximate Year Built: 1962

Posted Load Matches Inventory : Yes

Bridge Load Posting (Tons) : Not Posted for Load

Primary Owner: New York State Department of Transportation

Primary Maintenance Responsibility: 12 - State - Subcontracted to another Party

Typical or Main Span Type: 3 - Steel, 02 - Stringer/Multi-Beam or Girder

This Bridge is not a Ramp

Number of Spans: 322

Verbal Notification Information

Person Notified: Heinz Joachim, P.E.

Date: June 28, 2022 2:00:00 PM

Of: NYSDOT Region 11

Signature Information

Signature: Alex Abreu, P.E. 099761-1

Date: July 11, 2022

Reviewed By: Robert Kemp

Date: July 11, 2022

Attachments: 6

Flagged Elements

Parent Element	Element	Total Quantity	Unit
Span Number : 183			
	113 - Steel Stringer	104	ft
	PR831 - Steel Beam End	42	each

Flagged Condition Description

This Yellow Flag No. NB2258W004 is NEW.

Location: Span 183, Stringer S1 at Pier 183 over 3rd Avenue Westbound.

Description: The left connection angle at Stringer S1 in Span 183 at Pier 183 exhibits an 8.5 " long vertical crack in the fillet starting at the top of the connection angle (Photo 5). The right side connection angle exhibits no significant defects.

The stringer end at the pier has previously installed steel reinforcement plates and angles which exhibit no significant defects (Photo 4) and the stringer bottom flange is connected to the pier top flange with no significant defects at the connection (Photo 6).

This is a newly flagged condition.

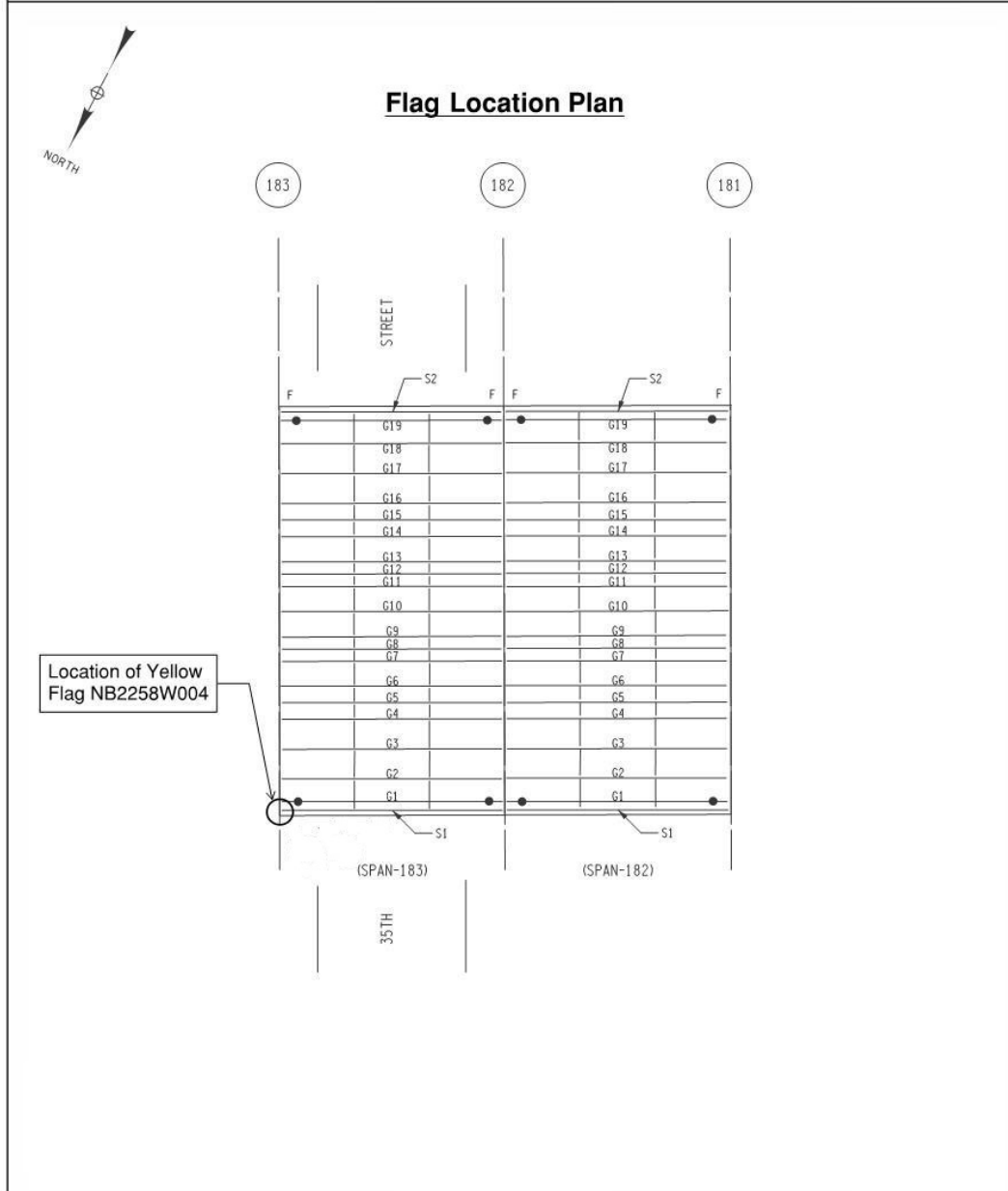
Notes:

1. Stringer S1 receives no direct live loading, but supports the barrier/railing above on I278.
2. The adjacent Girder G1 has a previous repair to the girder web and bottom flange and is in good condition.
3. A double left lane closure at 3rd Avenue Out-Bound (Verrazzano Bridge) at 35th Street and a 35' bucket truck are required to access this location.

Flag Photographs

Photo Number: **1**Photo Filename: **22_Flag Location Plan.jpg**

Gowanus Expressway
2022 Biennial Inspection - Field Sketch

BIN: 1065318Team: AA/TSDate: 06/28/2022Span: 183Location: Stringer S1 at Pier 183

wsp

Attachment Description: Flag Location Plan

Photo Number: 2

Photo Filename: 22_Span 183_Pier 183_Stringer S1_Connection

Gowanus Expressway
2022 Biennial Inspection - Field Sketch

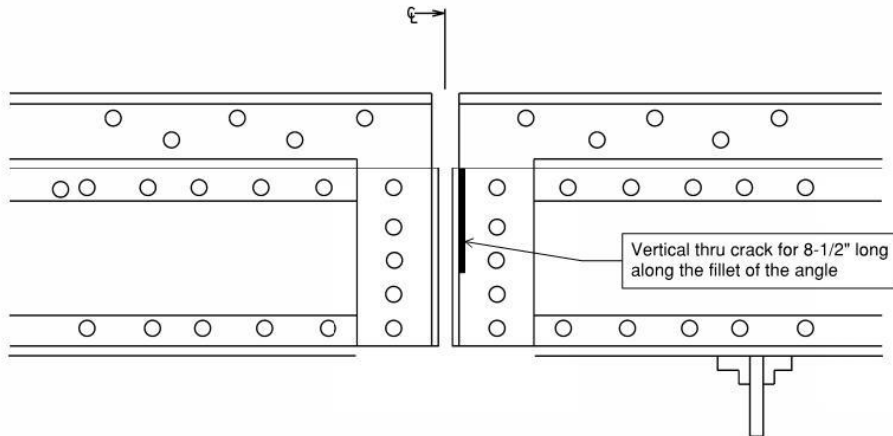
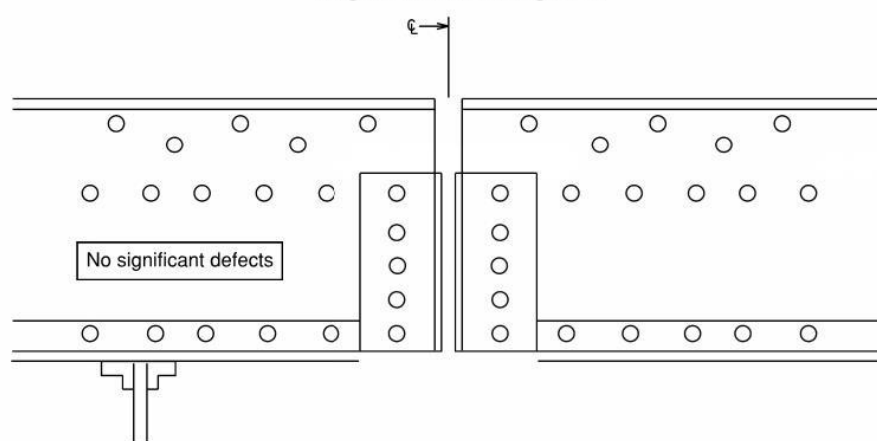
BIN: 1065318

Team: AA/TS

Date: 06/28/2022

Span: 183

Location: Stringer S1 at Pier 183

Left Face of Stringer S1**Right Face of Stringer S1**

Notes:
-Steel reinforcement plates and angles previously installed at
stringer web not shown for clarity purposes.

SCALE: N.T.S

SPAN 183

@ PIER 183

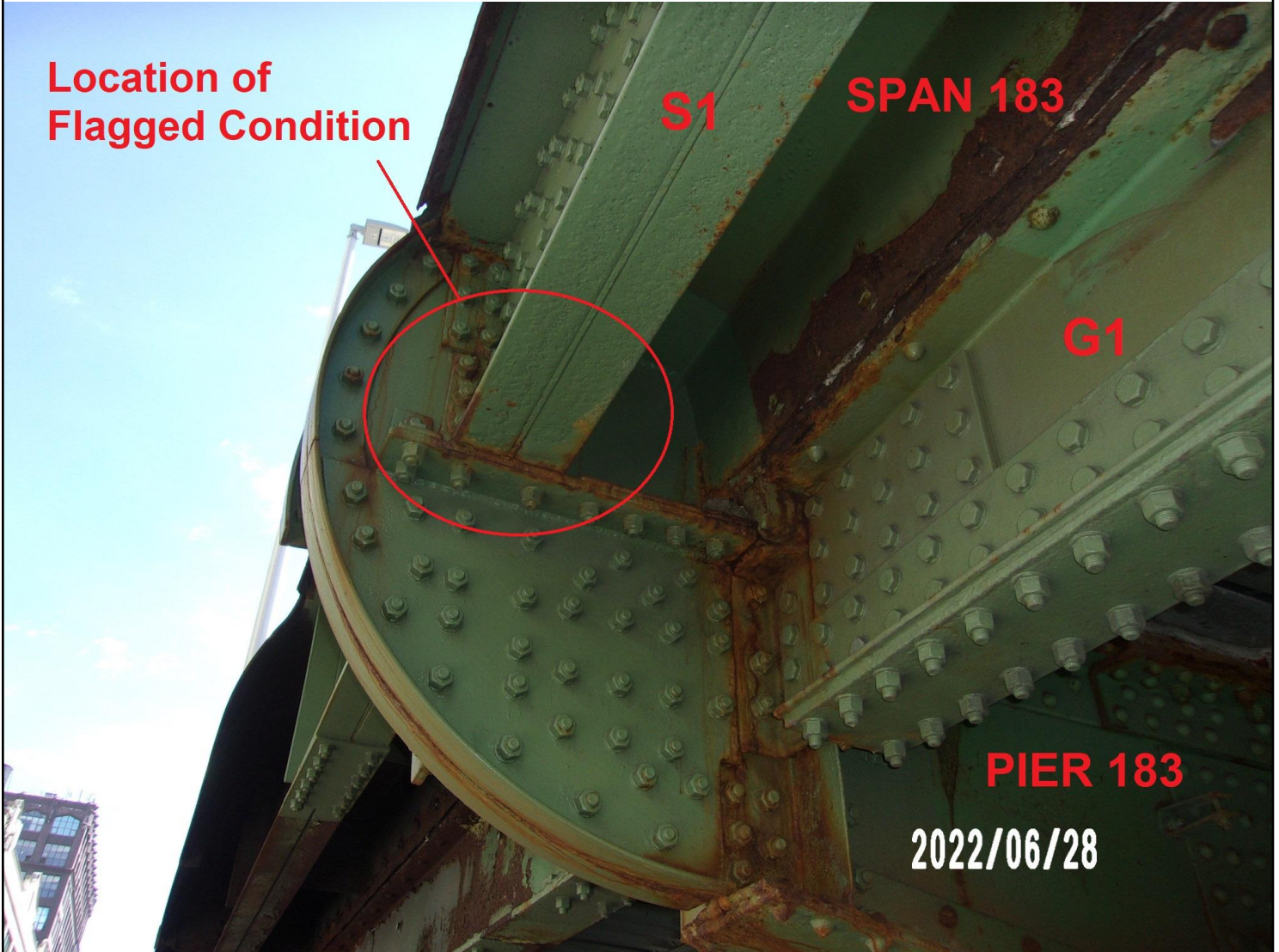
S 1

wsp

Attachment Description: Yellow Flag Condition Sketch

Photo Number: 3

Photo Filename: 22_113_1062.JPG



Attachment Description: General view of the flagged condition at Stringer S1 in Span 183 at Pier 183. Looking End.

Photo Number: 4

Photo Filename: 22_113_1067.JPG



Attachment Description: The left face of Stringer S1 in Span 183 at Pier 183. General view of the steel reinforcement plates and angles at the stringer. Looking End and Right.

Photo Number: 5

Photo Filename: 22_113_1074.JPG



Attachment Description: The left face of Stringer S1 in Span 183 at Pier 183. The left connection angle exhibits 8.5 " long vertical crack in the fillet starting at the top of the connection angle. Looking End and Right.

Photo Number: 6

Photo Filename: 22_113_1076.JPG



Attachment Description: The bottom of Stringer S1 in Span 183 at Pier 183. The stringer bottom flange connection to pier top flange exhibits no significant defects. Looking End and Right.